Qty:

Monday, 11/12/2007 11:45:41 AM

Process Sheet

Customer

P.O. Number

This Issue

Prsht Rev.

First Issue

Previous Run

: CU-DAR001 Dart Helicopters Services

: 35614

Job Number **Estimate Number**

: 10375

: NIA

: NC

: 11/12/2007

S.O. No. : N/A

Type

: SMALL /MED FAB

Drawing Name

: STEP SPACER

Part Number

Drawing Number

: D30651 . D3065 REV. B

Project Number **Drawing Revision**

: N/A

Material Due Date : NA

: 11/30/2007

Um:

Each

Written By

Checked & Approved By

Comment

Incorporated D3066-1 IPP KJ/RF

Water jet

EC

Additional Product

Job Number:



Est:D 06.04.25

Seq. #:

Description:

1.0 PG

PURCHASING



GFI

CUT AND FORM PER DRW D3065 REV.B

c207/11/12



2.0

D30651

Step Spacer



Comment: Qty.:

1.0000 Each(s)/Unit

Total: 250,0000 Each(s)

Step Spacer

PACKAGING 1 3.0

PACKAGING RESOURCE #1



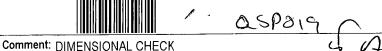
Comment: PACKAGING RESOURCE #1

RECEIVE AND INSPECT FOR TRANSIT DAMMAGE

ENSURE MATERIAL CERTIFICATION ATTACHED

4.0 QC6 DIMENSIONAL CHEC







5.0

HAND FINISHING1

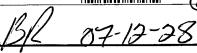
HAND FINISHING RESOURCE #



Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1





Dart Aerospace Ltd

W/O:		WORK ORDER (CHANGES				1,
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
! !		•					
Part No) :	PAR #: Fault Category:	NCR: Yes	No DQ	A:	∑ Date: <u> </u>	8/02/04

QA: N/C Closed: ____ Date: ___

NCR:			WORK ORDER NON-CONFORMANCE (NCR)						
		Description of NC		Corrective Action Section B	Verification				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspecto	
						,			
			-						
NOTE: D	ate & initial a	Il entries	·			I	<u>-</u>		

Date:

Monday, 11/12/2007 11:45:41 AM

User:

Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: STEP SPACER

Job Number: 35614

Part Number: D30651

Job Number:



Seq. #:

Machine Or Operation:

QC3

Description:

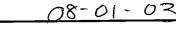
INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT CHEMICAL CONVERSION COAT

6.0

PACKAGING RESOURCE #1

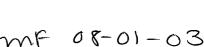


PACKAGING 1



Comment: PACKAGING RESOURCE #1

Identify and Stock Location: 100 6



8.0

FINAL INSPECTION/W/O RELEASE



252

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



Dart Aerospace Ltd

W/O:		WORK ORDER C	HANGES				
DATE	STEP PROCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				·			

Part No:	PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:
			QA: N/C	Closed:	Date:

NCR:			WORK ORDER NON-CONFORMANCE (NCR)						
		Description of NC		Corrective Action Section B					
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector	
						:			
						1	i :		

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	35614
Description: Step Spacer	Part Number:	D3065-1
Inspection Dwg: D3065 Rev: B		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X	First Article		Prototype
---	---------------	--	-----------

	L		****			
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
0.250	+/-0.010					
2.093	+/-0.010					
3.936	+/-0.010					
4.186	+/-0.010					
0.587	+/-0.010				7	
Ø0.128	+0.005/-0.001					
R0.125	+/-0.010					
3.465	+/-0.010					
Ø1.250	+0.012/-0.001					
0.368	+/-0.010				:	,
0.871 (Pitch)	+/-0.005					
0.040	+/-0.010			\		
				\		
			_\	NA		
			V			
				8		

Measured by:	Audited by:	Prototype Approval:	
Date:	Date:	Date:	

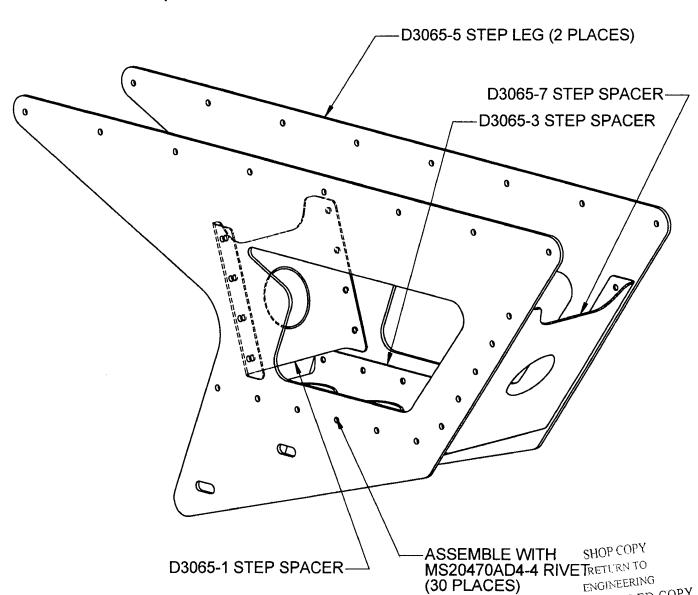
Rev	Date	Change	Revised by	Approved
. A	03.09.22	New Issue P/O D3065-041	KJ/RF	
В	06.06.23	Dwg Rev. changed	KJ/JLM ,	1
С	07.02.07	Dimension 0.040 added	KJ/JLM ox	



DESIGN	4	DRAWN BY	DART AEROSPACE HAWKESBURY, ONTARIO, CAI	
CHECK		APPROVED	DRAWING NO.	REV. B
	PH		D3065	SHEET 1 OF 5
DATE	00.0	NE 00	TITLE	SCALE
	06.0	05.23	STEP LEG ASSEMBLY	1:2
Α	0:	2.09.11	NEW ISSUE	
В	0(6.05.23	ADD 6061-T6 MATERIAL, ADD SLOTS	TO D3065-5

RELEASED

de cl. 20 off



D3065-041 STEP LEG ASSEMBLY

UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE

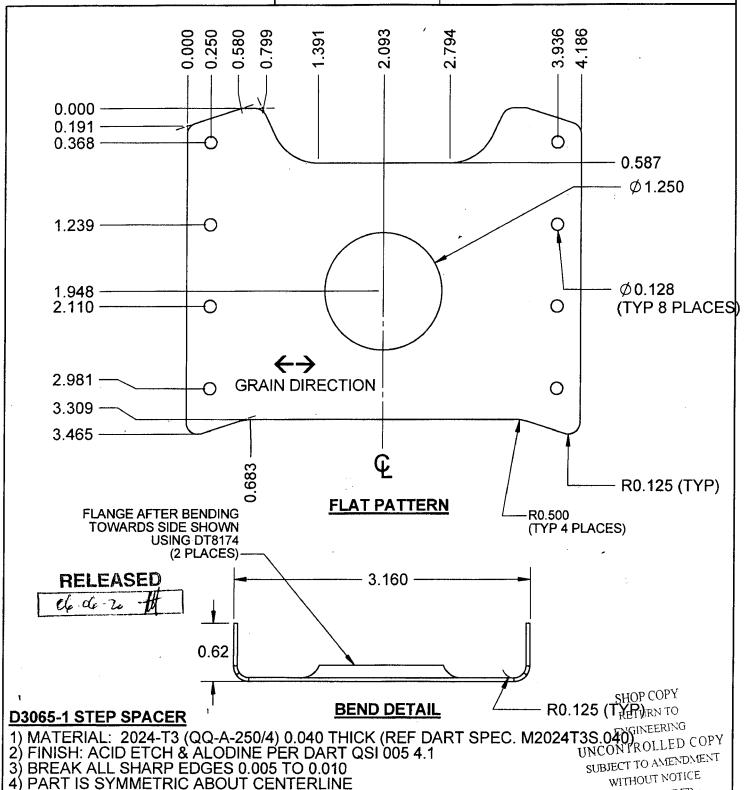
ELTD

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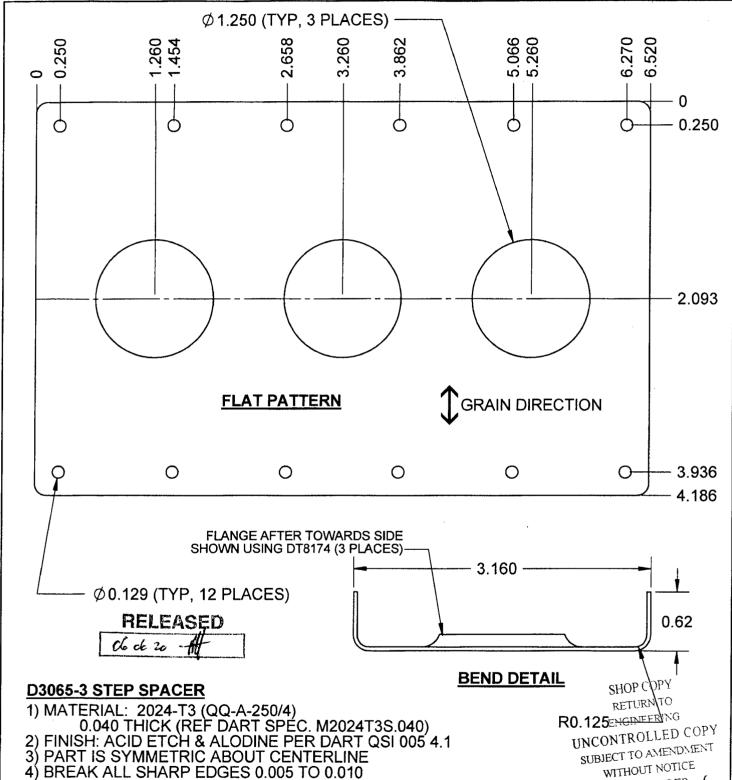
6) ALL DIMENSIONS ARE IN INCHES

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WORK ORDER





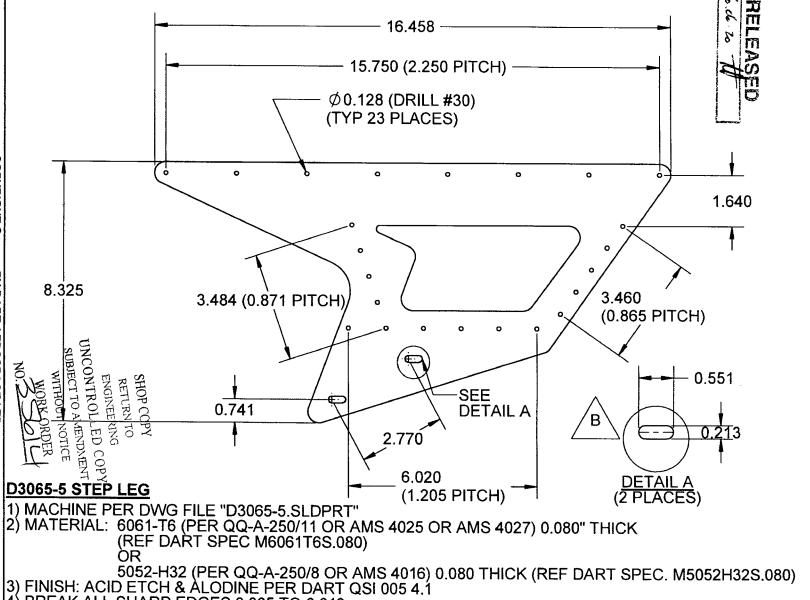


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BREAK ALL SHARP EDGES 0.005 TO 0.010
TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

DIMENSIONS ARE IN INCHES

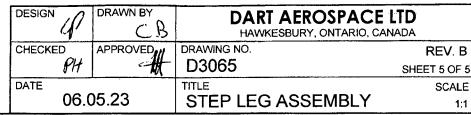
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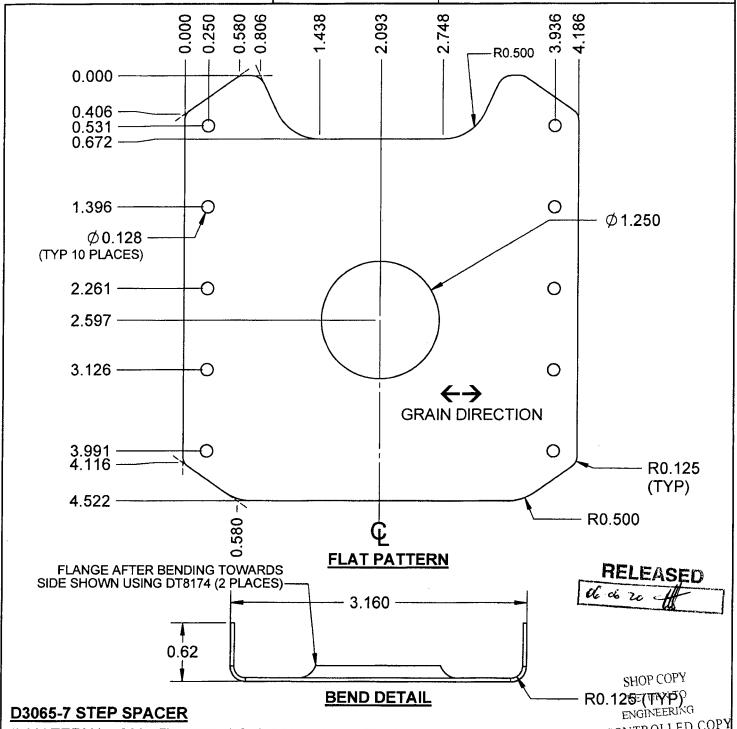
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BY DART AEROSPACE LTD

DATE CHECKEL 06.05.23 7 STEP LEG DRAWING NO. DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA **ASSEMBLY** SHEET 4 OF 5 REV. B SCALE







1) MATERIAL: 2024-T3 (PER QQ-A-250/4) 0.040 THICK (REF DART SPEC. M2024T3) TO AMENDMENT SUBJECT SU

WITHOUT NOTICE

2) FINISH: ACID ETCH & ALODINE PER DART QSI 005 4.1
3) PART IS SYMMETRIC ABOUT CENTERLINE 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

WORK ORDER

5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN INCHES

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180 AVENUE LABROSSE POINTE-CLAIRE, QUÉ., CANADA H9R 1A1 TÉL.: (514) 630-4877 - FAX: (514) 630-4849



BONDE LIVRAISON - SHIPPING MEMO DATEDELIVRAISON N° BONDE LIVRAISON

2007/12/17 0381303

OF lest une division de Thomas & Betts Fabrication Inc. / GFI is a division of Thomas & Betts Manufacturing Inc.

VENDU À / SOLD TO

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON, K6A 1K7 EXPÉDIÉ À / SHIPPED TO

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON, K6A 1K7

	CODE DE CLIENT CUSTOMER CODE	N° DE CONT N° DE CONT NO.	RAT		Nº COMMANDE PO∖NO.		. VIA SHIP VIA	
ART C	FI-0299	J0171920	1	00005022				
QUANTITE QUANTITY		VOTRE N° DE PIÈCE YOUR PART NO		DESCRIPTION			na policie. Radio Pinna 1988 pa 899 pa pa ca mpana.	
250	D30651			STEP SI	PACER			
	·			C OF C	REQUIRED	J		
,								
			•					
		•						
					•			
		•						

TOUTES LES RÉCLAMATIONS DOIVENT ÊTRE FAITES EN DEDANS DE 5 JOURS DE LA RÉCEPTION ALL CLAIMS MUST BE MADE WITHIN 5 DAYS OF RECEIPT OF GOODS.

CERTIFICATE OF COMPLIANCE CERTIFICAT DE CONFORMITE



180 LABROSSE AVENUE POINTE CLAIRE, QC H9R 1A1 <u>DART AEROSPACE LTD</u> 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

CERTI	FICATE NO.	OUR JC	B NO	SHIPPING	MEMO 0381303			
ITEM	QUANTITY	PURCHASE ORDE	r part number	REV	NAME	DWC	3 ISSUE	
	250 PCS	PO00005022	D30651	B -	STEP SPACER		В	
	MATERIA		SUPPLIED BY	٦		REL. NO.		
Al	L 2024-T3 (QC	2-A-250/4)	SAMUEL / KAISER AI	UMINUM	H/N	#413490A4		
		PROCESS	en e	L SIX Set	PROCESSOR	and the second s	NOTE#	
1	FIRST ART	ICLE INSPECTION	N REPORT ON FILE		GFI	CONF	ORMS	
2	1							
3			100 mg 1 m				J	
4		ga spela a la	and the second s					
5		and the second and the second and the					J	
6 .				re Value				
7		and the second second	Samuel Committee Com Committee Committee					
8								
9								

WE HEREBY CERTIFY ALL THE PARTS COVERED BY THIS CERTIFICATE HAVE BEEN MANUFACTURED FROM MATERIAL SUPPLIED ON RELEASE NOTE SHOWN ABOVE AND THAT ALL PARTS HAVE BEEN INDIVIDUALLY INSPECTED AND CONFORM TO THE DRAWINGS AND PURCHASE ORDER REFERENCED ABOVE.

DATE 17 DECEMBER 2007

G.F.I. Q.C. REP. Dables Hor



Programme d'Assurance Qualité Enregistré / Registered Q.A. Program ISO 9001:2000 AS9100

LETTRE DE CONFORMITÉ -LETTER OF COMPLIANCE

Date: 20 NOVEMBRE 2007

Company Name:

G.F.I. Division of Thomas & Betts limited

Address:

180 avenue Labrosse

City:

Pointe Claire, Qué.

Zip Code:

H9R 1A1

du client:

72573

de commande SSMO:

873720

Customer's order #:

SSMO's Order #:

La présente est pour certifier que le matériel détaillé ci-dessous est conforme aux exigences de votre commande et des normes du grade tel que décrit:

The following is to certify that the material listed below meets your order requirements and grade standards as described:

Notre/Our Item #	# de pièces/ # of pieces	Épaisseur/Grandeur Guage/Size	Alliage/Trempe Alloy/Temper	Spécification / Specification	Lot/Heat
1	5	.040" X 48" X 144"	2024 T3	AMS-QQ-A-250/4	413490A4
				cb	

Bien à vous, Yours truly,

Fre Hither

Commis à l'administration. Administration Clerk.

TÉL: 514-457-3399 FAX: 514-457-9393

LET. DE. COM 12/01/04

SHIP TO: SAMUEL MISSISSAUGA 2360 DIXIE ROAD MISSISSAUGA, ON, CA L4Y1Z7

CERTIFIED TEST REPORT

SAMUEL MISSISSAUGA 2360 DIXIE ROAD MISSISSAUGA, ON, CA L4Y1Z7 Serial Number 4107888

KAISER

ALUMINUM

Trentwood Works - Spokane, WA 99215

Phone: (800) 367-2586

CUSTOMER PO NUMBE	WORK PACKAGE:		GE: C	CUSTOMER PART NUMBER:		:	SHIP RUN/LOAD ID: 101068/16		GOV'T CONTRACT NUMBER:	
N20042		EM: SHIP DATE:		ALLOY:	CLAD:	TEMP	EA:	PRODUCT	T DESCRIPTION:	
KAISER ORDER NO: LINE				12:	, ALLO1:	1	1	;	···	
1055568	9	10-SEP-200		P-2007	7 2024 BARE		T3		MILL FINISH_COIL	
WEIGHT SHIPPED:	QUANT	JANTITY: B/L		B/L NU		GAUGE:			WIDTH:	LENGTH:
4385 LB	1 PCS EST.		20143	374	0.0400 IN		48.000 IN		0.000 IN	

Certified Specifications

AMS 4037/RevN CMMP 019/RevD AMS-QQ-A-250/4/RevA CMMP 025/RevR

ASTM B 209/Rev06

Test Code: 1504

SOLD TO:

Test Results

Lot: 413490A4

Drop 05 **Cast 392**

Ingot 3

(ASTM E8/B557)

Temper Tensile: TZ

Dir / # Tests LT / 2 (Min:Max) Ultimate KSI (MPA) 68.4:69.0

Yield KSI (MPA) 47.5 : 47.9

TI

0.01

Elongation % 16.6:17.7

ZR

0.01

(328:330)(472:476)

CR

(ASTM E1251) Chemistry:

Actual

FE SI 0.22 0.10

CU MN 0.54 4.6

MG 1.3

CR ΖN 0.21 0.02

0.01

OTHER 0.03 TOT

ALLOY LIMITS

SI Chemistry: 0.00 2024 MIN 0.50 MAX

Bee Voye

FE 0.00 0.50

CU MN 0.30 3.8 0.9 4.9

MG 1.2 0.00 0.10 1.8 Aluminum Remainder

ZN TI 0.00 0.00 0.15 0.25

ZR OTHER **EACH** 0.00 0.00 0.05 0.05

MAX 0.05 0.15 TOT

CERTIFICATION

KAISER ALUMINUM FABRICATED PRODUCTS, LLC (KAISER) HEREBY CERTIFIES THAT METAL SHIPPED UNDER THIS ORDER WAS MELTED AND MANUFACTURED IN THE U.S.A. KAISER ALUMINUM FABRICATED PRODUCTS, LLU (KAISEN) RENEST CENTURES THAT METAL STILL TE DIRECT SPECIFICATIONS AS INDICATED HEADY AND HAS BEEN INSPECTED. TESTED, AND FOUND IN CONFORMANCE WITH THE REQUIREMENTS OF THE APPLICABLE SPECIFICATIONS AS INDICATED HEALTH AND STIZE. ANY WARRANTY IS LUMITED TO THAT SHOWN ON KAISER'S STANDARD GENERAL TERMS AND CONDITIONS OF SALE TEST REPORTS ARE ON FILE, SUBJECT TO EXAMINATION. TEST REPORTS SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF KAISER ALUMINUM FABRICATED PRODUCTS, LLC LABORATORY. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULANT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. ISO-9001:2000 CERTIFIED

BILL POYNOR, LABORATORIES SUPERVISOR

Page 1 of 1